



# Actian PSQL v12

## Key Benefits

- > Online data defragmenting to boost performance
- > Live migration on all editions
- > Fewer failed license validations
- > Split-second reports and queries
- > Data analytics and integration
- > More globalization support
- > Data-only licensing for Vx Server
- > Simplified installation
- > Backward compatibility

## Supported Platforms

- > Windows Server 2012
- > Windows 7 and 8
- > Windows Server 2008 R2
- > Windows Vista
- > Windows Small Business Server 2011
- > Windows Foundation Server 2008 R2
- > Windows Small Business Server 2008
- > Windows Embedded Standard 7
- > Windows Embedded POSReady 7

Actian PSQL is one of the most reliable, low maintenance, high-performance database management systems in the world. The v12 Server, Vx Server, and Workgroup editions keep users up-to-date with new capabilities for boosting performance, supporting mobile cloud computing, expanding into global markets, and using high-speed reporting and data analytics. All of this while serving both traditional and virtual users and keeping the focus on zero DBA, ease of use, and high productivity.

## Boost database performance

Busy databases can develop data fragmentation, slowing access and response times. The new self-service v12 Defragmenter lets you find fragmented files and fix them to maintain performance. Defragmenter works with the database online, so you can use it without disrupting operations or customer access to applications and data.

## Live migration of any virtual machine

Live migration in Vx Server has been extended to PSQL v12 Server and Workgroup. Now all PSQL v12 virtual machine users can make more hardware and configuration changes without invalidating their license, delivering greater flexibility in cloud and virtualized operations.

## Run reports faster, get more insight from data

You've got more data than ever. The challenge is to use it without slowing down business or overlooking competitive insights. PSQL v12 Server and Vx Server includes a license for [Actian Analytics Platform \(AAP\) for PSQL](#). AAP provides high-speed reporting and split-second responses to even complex queries with little impact on PSQL operations. AAP also offers a tool set for data analytics and data integration to let you interact creatively with your data in new and possibly business-changing ways.

## Store all languages in one database

PSQL v12 expands its Unicode support with SQL storage for wide character data. You can now store your data in any language in a single database, with multiple character sets in the same table, row, or even the same column. The PSQL v12 ADO.NET, JDBC, and ODBC SDKs support the new NCHAR, NVARCHAR, and NLONGVARCHAR data types. See the PSQL v12 database globalization and SDK documentation on using this capability to meet application needs in a global business.

## Data-in-use licensing for Vx Server

Moving with industry standards, PSQL Vx Server 12 capacity now depends only on data in use, which you can monitor in PSQL Control Center (PCC). No more need to track users or concurrent sessions. Plus, after the initial connection to authorize its license, your server requires no further Internet access, which adds to your options for compliance with security policies. Licensing on data capacity is ideal for service bureaus, SaaS environments, and many cloud implementations.

## Simplify PSQL installation

You no longer need to check for 64- or 32-bit systems when you install. The v12 smart installer automatically checks for you and installs the correct engine and all needed components.

## ADO.NET upgrade

PSQL v12 upgrades the PSQL ADO.NET Data Providers to support code first and model first, enumerated data types, and code first migrations.

## JDBC improvements

The PSQL v12 JDBC driver supports portions of the JDBC4 API. In particular, the PreparedStatement methods setNString and setNCharacterStream are now implemented.

## Backward compatibility

Any application built for earlier PSQL versions will work with v12. No need to rewrite or recompile code, migrate data, or even uninstall existing software. Moving to v12 is seamless.

For additional information on these new features and more, see *PSQL v12 What's New* at the [Actian website](#).

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